# eco-refurbishment of a collection and sorting platform for Waste in epreville - France

### industrial site, hoe® approach : Waste, hoe® sustainable approach

CLIENt	Communauté d'Agglomération
LOCATION Project Consultants	Épreville (76), FRANCE Refurbishment of a platform of waste sorting system Cabinet MERLIN, AR ARCHITECTES
area	12 780 m² (plot)
COSt	2 700 000 euros
Date	Studies in progress



Master plan - projected state



Master plan incorporating the key elements of the project in relation to its environment

The project to rebuild the Épreville waste collection facility aims to optimize waste stream management while delivering a highperformance, scalable, and secure service. It supports reuse, the recovery of specialized waste streams, and environmental education for the public.

The mission involves the requalification of the Hautes Falaises buisness and industrial park in Épreville, specifically through the **reconstruction of a ground-level waste collection platform**. This design improves user **accessibility and enhance safety** during waste drop-off operations. The project includes the reorganization of traffic and user flows, redesign of access points, enhancement of **landscape buffer zones**, and the implementation of **sustainable stormwater management solutions**. Ecological engineering principles are integrated to preserve and strengthen **local biodiversity** through the use of **adapted plant species** and **eco-friendly landscaping features**.

The operating building is designed according to **bioclimatic principles**, ensuring optimized energy performance, structural durability, and functional efficiency.





### Northen facade





Terracotta cladding

North/Southen section

Vertical metal Wood fiber insulation cladding





Flowering meadows

Vegetated cellular Green roof with local paving species

#### Building and infrastructure eco-materials

### HQe® COMMITMENTS

# COMMITMENT 1 - QUALITY OF LIFE : ENERGY AND MAINTENANCE MANAGEMENT

- Creation of a new, **safer access route** for both operators and users.
- Implementation of a **circulation loop** for users and installation of an access control system for the site.

• Use of materials requiring no specific upkeep or maintenance.

#### COMMITMENT 1 - QUALITY OF LIFE: VISUAL COMFORT

Green (vegetated) roofing.

• Planting of **adapted native species** to promote biodiversity.

## commitment 2 - economic performance: choice of construction materials

- Timber frame structure.
- · Facades clad with terracotta and metal.

#### COMMITMENT 3 - EN VIRONMENTAL RESPONSIBILITY: energy management

• Bioclimatic architecture: solar protection systems integrated into the roofing and green roof to enhance summer comfort, with openings strategically placed to reduce winter energy consumption.

#### COMMITMENT 3 - ENVIRONMENTAL RESPONSIBILITY: Water management

• Rainwater managed via green roof and vegetated swales.

• Creation of a retention basin that collects stormwater and is accessible to fire services as a firefighting water reservoir.

#### COMMITMENT 3 - EN VIRONMENTAL RESPONSIBILITY: Material Resources and climate change

- Use of **bio-based insulation** materials.
- · Vegetated cellular paving for parking areas.

• Low-maintenance, flowering meadows and rustic grassland for landscaped green spaces.

#### COMMITMENT 3 - EN VILONMENTAL RESPONSIBILITY: BIODIVERSITY

• The site's landscaped areas are designed to support and **enhance biodiversity**.

#### Westen facade